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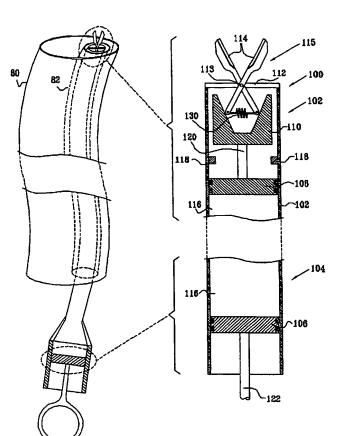
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(54) Title: PISTON-ACTUATED ENDOSCOPIC TOOL



(57) Abstract: Endoscopic apparatus is provided, having a distal end (102) for insertion into a body of a patient and a proximal end that is held outside the body of the patient. The apparatus includes a proximal cylinder (404), disposed in a vicinity of the proximal end of the endoscopic apparatus. A proximal piston (406) is slidably contained within the proximal cylinder. A distal cylinder (328) is disposed in a vicinity of the distal end of the endoscopic apparatus, and a distal piston (310) is slidably contained within the distal cylinder. A tube (402) for containing a liquid is coupled between the proximal and distal cylinders. A tool (e.g., biopsy tool 115) is coupled to be actuated by displacement of the distal piston, so as to perform a mechanical action on tissue of the body or contents of the body, responsive to displacement of the distal piston.



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